User's Manual

CW-01

Version 1.03

CITIZEN SYSTEMS JAPAN CO., LTD.

●Concerning Copyright

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Also, the contents of this User's Manual are subject to change in the future without prior notice.

●Concerning Safety Warnings

Warnings regarding safety and use, and the contents of the User's Manual, conform to standards existing as of the date published.

●Concerning modification

The CW-01 printer was planned, developed, and manufactured by CITIZEN SYSTEMS JAPAN CO.,LTD. and for safety purposes, any modification of the device is prohibited.

Introduction

Thank you very much for purchasing the CW-01 Dye Sublimation digital printer.
This manual explains the handling and operation required to use this printer.
Please read this manual well before starting operation and please use the printer correctly.
Be sure to read “In order to use safely” (Pg 2-6), and use the printer safely.

For Safe Operation

- Be sure to read this manual before use. After reading, keep it in a safe place, where it can be re-read as needed.
- The warnings listed here are to ensure proper use of the device, to prevent physical injury to the customer or other persons, and to prevent property damage. Please obey these warnings.

■ About “Warning” and “Caution”

Listed below, the possible levels of injury or damage due to misuse are categorized as “Warning” and “Caution”, according to the degrees of danger involved

Warning	・Accidents caused by failure to heed the warnings accompanying this symbol could lead to serious or fatal injury.
Caution	・Accidents caused by failure to heed the warnings accompanying this symbol could lead to physical injury or property damage.

■ About the symbols

The symbols shown have the following meanings:

	This symbol calls attention to contents of warnings and cautions. Details are indicated in or near this symbol.
	This symbol indicates prohibited actions. The prohibited actions are detailed within the symbol.
	This symbol designates necessary actions, and relevant content. Details of the actions are shown within the symbol.

Warning

- Use only with the designated voltage and frequency. Improper connection could cause electric shock or fire.

- Avoid overstressing outlets and using extension cords. The outlet could overheat and cause a fire.
- Do not damage, destroy, bundle, or alter the power cord. Also, placing heavy objects on, pulling, or bending the cord too much can damage it, and could cause a fire.
- Do not set the printer up in places with salinity or corrosive gases in the air. This could cause a fire.
- Do not block the cooling fan or vents. Heat could build up in the printer and cause a malfunction or a fire.

- Do not stand or place heavy objects on the printer. Also, do not use excessive force on the buttons, switches, terminals, etc. This could break the printer and cause injury to the user or other people.
- Store the bag for the printer out of reach of children. It could cause suffocation if placed over the head.
- Do not open the printer cover while printing. This could break the printer.
- Do not spill or spray liquids or chemicals into the printer.
- When cleaning the cover, do not use thinner, trichoroethane, benzene, ketone-based cleaners, or chemically treated cloths. They could discolor or deteriorate the cover.
- Be careful to avoid injury or damage from the edges in the printer.
- Do not use this printer for applications where malfunction could be life-threatening (such as medical, space, aeronautic, or other applications that require extreme reliability).

- The printer weighs approximately 24 kg (52 lbs). When moving it, use two or more people, and try to avoid strain when lifting it. Lifting recklessly or dropping the printer could cause injury.
- Locate the printer as close to an outlet as possible, and allow easy access to unplug the power cord in case of problems.
- If there is any dust on the plug, clean it off thoroughly. It could cause electric shock or a short-out.
- When disposing of the printer, peripheral items, packaging, or media, please abide by local waste removal ordinances. For details, refer to your local government offices.

- If metal objects or liquids have fallen into the printer, and there is smoke, a strange odor, or any other apparent abnormality, immediately turn off the power, and unplug the power cord. Then contact a service representative. Do not continue using the printer if it is not operating properly. This could cause electric shock, short circuit, or fire.
- When unplugging the cord, grip the plug. Do not pull on the cord. It could damage the cord, and cause electric shock or fire.

- Be sure to attach the ground. Otherwise, it could cause a short circuit, electric shock, or fire.

- Do not plug in or unplug the cord with wet hands. This could cause electric shock.

- Do not open the inside of the printer, disassemble internal parts, or modify the printer. It could cause electric shock, fire, or injury, or break the printer. For internal check-ups, adjustments, or repair, please contact a service representative.

Caution

- Do not set the printer up in dusty or overly humid places. This could cause fire or electric shock, or damage the printer.
- Do not set the printer up on an unstable surface. It could fall and cause injury to the user or other people.
- Do not put foreign objects into the printer. They could cause electric shock, short circuit, or fire, or break the printer. If something falls into the printer, immediately turn off the power, unplug the printer, and call a service representative.

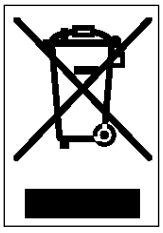
- At least once a year, unplug the power cord, and clean the prongs and the plug. If dust accumulates, it could cause a fire.
- When printing continuously for long periods of time in a small room, be sure to ventilate the room occasionally.
- If use is intended on a transportation vehicle (train, truck, ship, etc.), please talk to a representative in advance.

- When moving the printer, be sure to unplug the power cord. Otherwise, the cord may be damaged, which could cause fire or electric shock.
- When not using the printer for extended periods of time, for the sake of safety, be sure to unplug the power cord. It could cause electric shock or fire.

- The thermal print head gets very hot. Do not touch the thermal print head right after printing. It could cause burns.

WEEE MARK

If you want to dispose this product, do not mix with general household waste. There is a separate collection system for used electronics products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within European Union.



Warnings for Set-Up

- Prior to operation, read “To use this printer safety” carefully and observe them.
- Use care when moving the printer. Never try carrying the printer alone.
  Dropping it could cause injury or damage to other property.
- Do not use or store the printer near fire, excessive moisture, in direct sunlight, near an air conditioner or heater, or any other source of unusually high or low temperature or humidity, or excessive dust.
- Do not place the printer where chemical reactions occur, such as in a laboratory.
- Do not set up the printer where there is salinity or corrosive gas in the air.
- The printer must sit on a firm, level surface where there is ample ventilation. Never allow the printer's air vent to be blocked by a wall or other object.
- Do not put anything on the top of the printer.
- Do not place the printer near a radio or television, and do not use the same wall outlet for the printer and radio or television. Radio or television reception could be adversely affected.
- Do not use a power voltage or frequency other than those specified.
- Do not put anything on the power cord or step on it.
- Do not drag or carry the printer by the power cord or USB cable.
- Avoid plugging the power cord into an outlet with many loads.
- Do not bundle the power cord when inserting the plug.
- Always grip the plug housing, not the cord, to plug/unplug the power cord.
- Make certain the power is turned off before connecting/disconnecting the USB cable.
- Avoid lengthening the signal cable or connecting it to any noise-producing device.

  If it is unavoidable, use a shielded cable or twisted pair for each signal.
- Place the printer near the outlet where the power cord can be unplugged easily to shut off power.
- Use an AC outlet that accepts a three-pronged plug. Otherwise, static electricity may be generated and there will be danger of electric shock.
- Use the appropriate specified cord set.
  Only use items that are certified safe according to the standards of the country where they are to be used

●Japanese Users

Cord set No 5-AB0632-1 (60001080)

	Parts number	Rating	Acquired Standard No
Plug	KP-300	125V 12A	JET-1807-43001-1004
Cord	VCTF	1.25mm^2 3G	JET-2178-12009-1003
Connector	KS-16A	125V 12A	JET-1807-43004-1005

●American, Canadian Users

Cord set No INQ.1417 （60000980）

	Parts number	Rating	Acquired Standard No
Plug	CAT-009	125V 13A	UL:E69228 CSA:LL93534
Cord	SJT	1.25mm^2 3G	UL:E69167 CSA:LL97391 LL92902 LL42379
Connector	EF-28	125V 13A	UL:E69228 CSA:LL93534

Cord set No 5-AB0638 (60001010)

	Parts number	Rating	Acquired Standard No
Plug	KP-30	125V 13A	UL: E118569 CSA: LR84390
Cord	SJT	1.25mm^2 3G	UL: E42955 CSA: LL84512
Connector	KS-32	125V 13A	UL: E118569 CSA: LL84391

●European Users

Cord set No 764S（60000960）

	Parts number	Rating	Acquired Standard No
Plug	203	10/16A 250V	EN60799
Cord	H05VV-F	1.00mm^{2}3G	EN60799
Connector	EF-28	250V 10A	EN60799

Cord set No 764S (60001030)

	Parts number	Rating	Acquired Standard No
Plug	KP-4819Y	10 / 16A 250V	IEC60884
Cord	H05VV-F(GTCE-3)	1.00mm^{2}3G	IEC60227-5
Connector	KS-31A	250V 10A	IEC60320-1

Regulatory compliance statements

American users

FCC part 15

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Caution: Use shielded cables to connect this computers.
Any changes or modifications not expressly approved by the grantee of this device could void the users authority to operate the equipment.

日本のお客様へ／Japanese Users

電波障害について

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づく
クラス B 情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョンの受信機に近接して使用されると、受信障害を引き起こす可能性があります。
取扱説明書に従って正しい取り扱いをして下さい。

VCCI statement

This equipment is in the Class B category (information Technology Equipment to be used in a residential area or an adjacent area thereto) and conforms to standards set by the Voluntary Control Council for interference by information Technology Equipment aimed at preventing radio interference in such residential areas. When used near a radio or TV receiver, it may become the cause of radio interference. Read instructions for correct handling.

Declaration of Conformity

European users

The hereinafter mentioned product is manufactured according to Internal Production Control and Specific Apparatus Tests in compliance with

ANNEX Ⅲ of the R&TTE-Directive 99/05/EC

Product: CW-01
Photo Printer

The presumption of conformity with the essential requirements regarding Council Directive 99/05/EC is ensured according to

Art. 3.1 a)	Safety:	EN 60950: 2000 EN 50364: 2001 (equivalent to 73/23/EEC & 93/68/EEC)
Art. 3.1 b)	EMC:	ETSI EN 301 489-1 V1.4.1 (2002-08) ETSI EN 301 489-3 V1.4.1 (2002-08) (equivalent to 89/336/EC)
Art. 3.2)	Radio:	EN 300 330-1 V1.3.2: (2002-12) EN 300 330-2 V1.1.1: (2001-06)

The product bears the European Approvals Marking “CE”.
Due to Class 1 categorized, alert mark to indicate using non-harmonized frequency and Notification to National Authorities according to Article 6.4 are not needed.

English
Hereby, Citizen Systems Japan Co.,Ltd. declares that this CW-01 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Finnish
Citizen Systems Japan Co.,Ltd. vakuuttaa täten että CW-01 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Dutch
Hierbij verklaart Citizen Systems Japan Co.,Ltd. dat het toestel CW-01 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG
Bij deze verklaart Citizen Systems Japan Co.,Ltd. dat deze CW-01 voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

French
Par la présente Citizen Systems Japan Co.,Ltd. déclare que l'appareil CW-01 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
Par la présente, Citizen Systems Japan Co.,Ltd. déclare que ce CW-01 est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.

Swedish
Härmed intygar Citizen Systems Japan Co.,Ltd. att denna CW-01 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Danish
Undertegnede Citizen Systems Japan Co.,Ltd. erklærer herved, at følgende udstyr CW-01 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF

German
Hiermit erklärt Citizen Systems Japan Co.,Ltd., dass sich dieser/diese/dieses CW-01 in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet".(BMWi)
Hiermit erklärt Citizen Systems Japan Co.,Ltd. die Übereinstimmung des Gerätes CW-01 mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG.(Wien)

Greek
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Citizen Systems Japan Co.,Ltd. ΔΗΛΩΝΕΙ ΟΤΙ CW-01 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ

Italian
Con la presente Citizen Systems Japan Co.,Ltd. dichiara che questo CW-01 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Spanish
Por medio de la presente Citizen Systems Japan Co.,Ltd. declara que el CW-01 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Portuguese
Citizen Systems Japan Co.,Ltd. declara que este CW-01 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Malti
Hawnhekk, Citizen Systems Japan Co.,Ltd., jiddikjara li dan CW-01 jikkonforma mal-ħtiġijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC

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Chapter 1 Printer Setup

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6. Setting the Paper and Ribbon
7. Setting the Trim Tray
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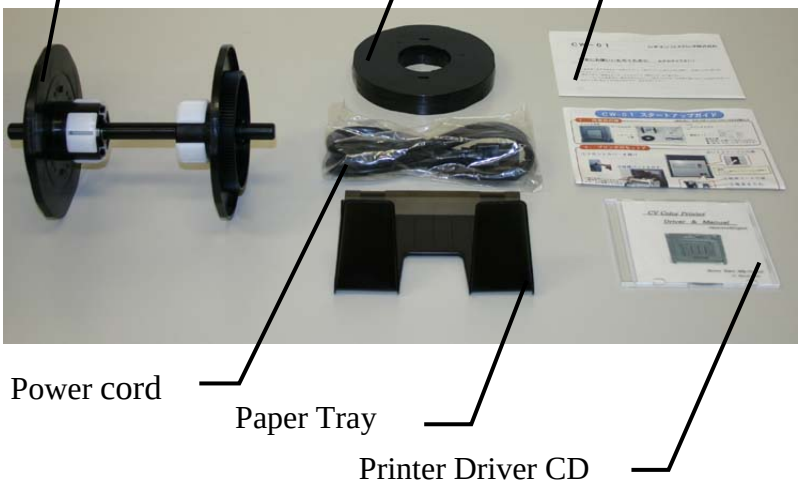
1. Please check the package contents

Please check that the printer and all accessories are included in the package.

options



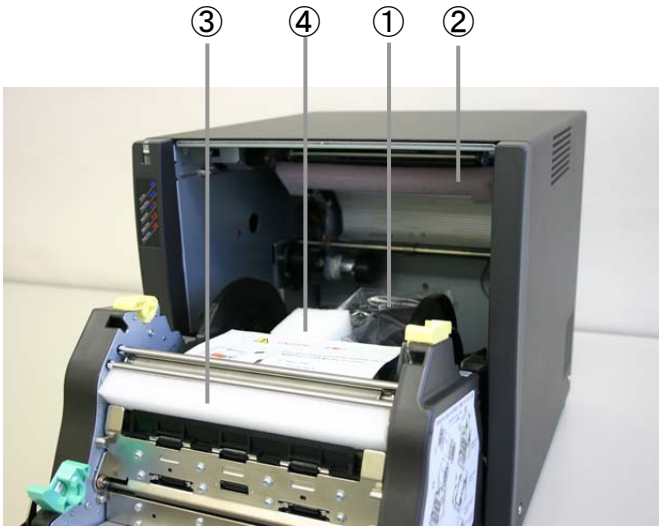
※External cover colors

CW-01S	Standard	paint (black)
CW-01B	For assembly	unpainted

※Concerning CW-01B for assembly, these accessories are factory options.

When using, remove the following four items:

① Paper Tray
② Thermal Print Head Protective Pad
③ Paper Guide Protective Pad
④ Paper Holder Protective Pad



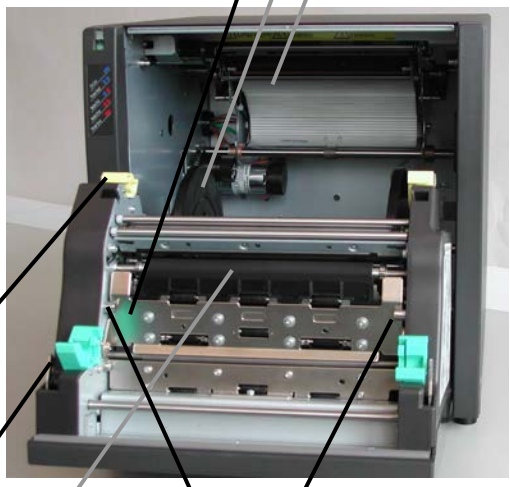
* Please keep the package box, packing materials for transportation.

CAUTION

- When removing the printer from its package, carrying it, or moving it be sure to use two or more people. Dropping the printer could result in personal injury or damage to other items.
- If the printer is lifted by grasping the cushions, the cushions could break and cause the printer to be dropped.

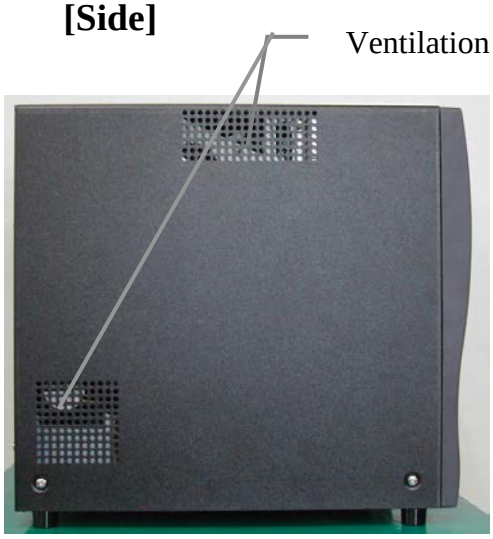
2. Names of Components

[Front]



[Back]

[Side]

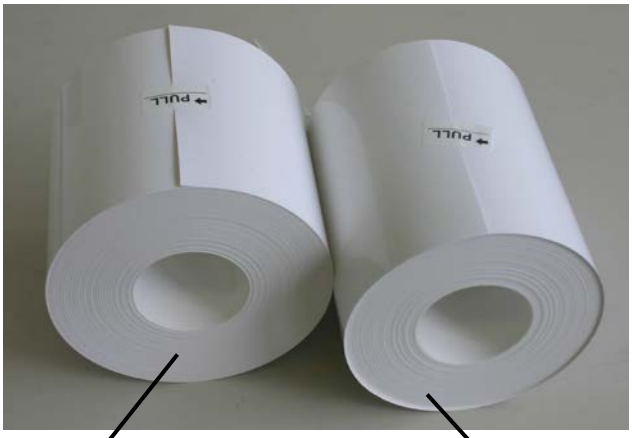


CAUTION

- Please be careful not to hurt yourself or damage anything on the edges of the printer.

3. Check the Paper and Ribbon

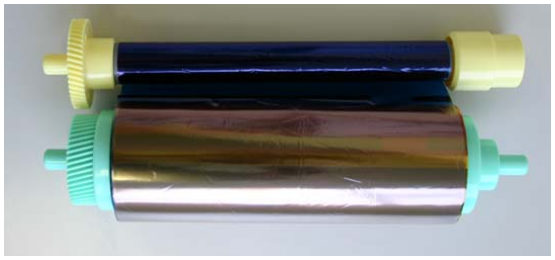
Paper		
Type	L-Size, 2L-Size 127mm	Post Card, A5 Wide Size 152 mm



Ribbon		
Type	i-Media	
	L-Size, 2L-Size 134mm	Post Card, A5 Wide Size 159 ㎜

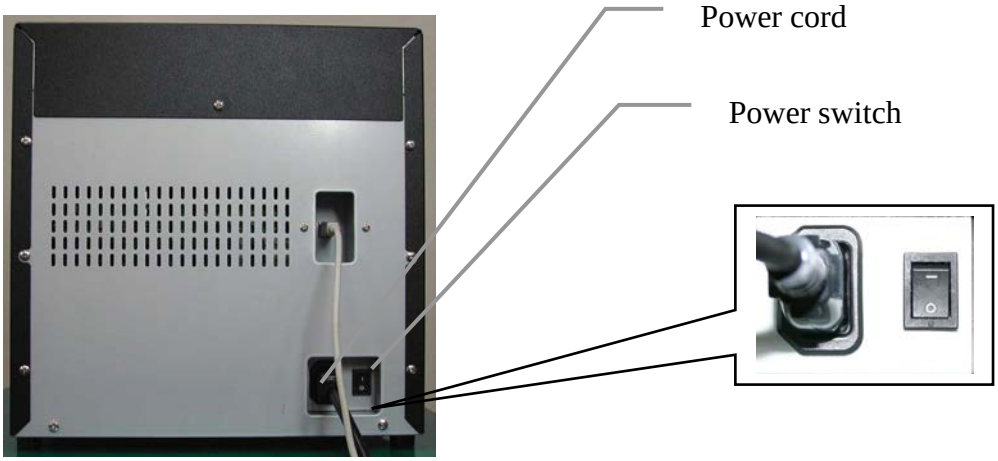
L-Size, 2L-Size

Post Card, A5 Wide Size



4. Connect the Power Cable

1. Please confirm that the power switch is turned OFF.
2. Insert the power supply cable to the printer's power supply inlet.
3. Plug the power supply cable into a wall socket.

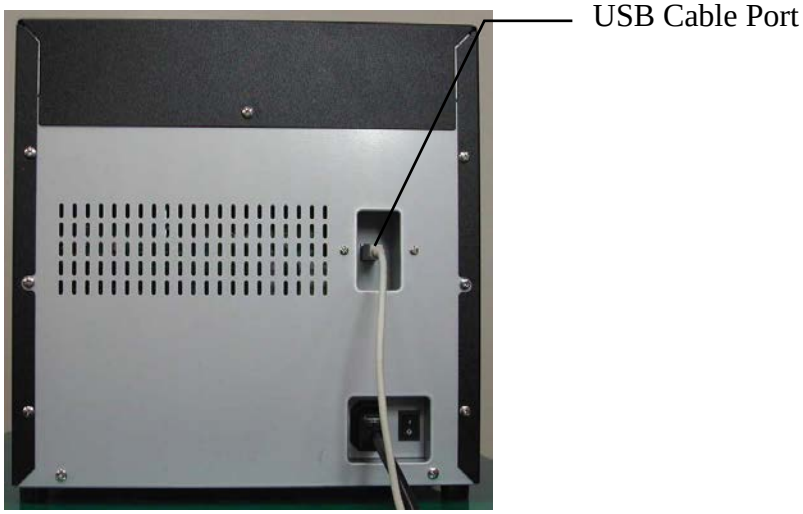


CAUTION

- Please use the power cable attached with the printer, and be sure to ground the grounding line of the plug.

5. Connect to the Host Computer (PC)

1. Please confirm that the power switches of the printer and PC are turned OFF.
2. Connect the printer and PC by USB cable.



6. Setting the Paper and Ribbon

1. Open the front cover by pressing the open button.

Open button

*** When the front cover is opened for the first time, please take out the protective pads.**

2. Set the paper in the paper holder. For L and 2L sizes, use the spacer.

L-size, 2L-size

Attach the L-spacer to the paper holder.

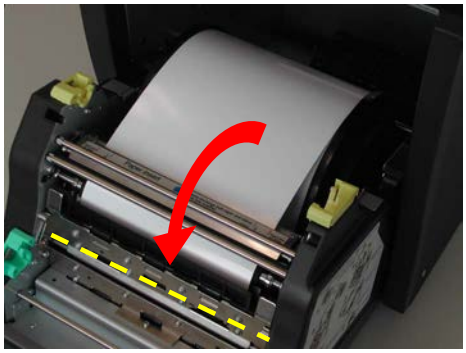
Post Card, A5 wide size

Paper Holder

Please set paper on roll holder assembly as for L-Size, 2L-Size.

*** When attaching the L-spacer, line the hooks on the L-spacer up with the holes on the roll holder.**
*** Please insert firmly so as not to have any space between the side of the roll and the flange.**
*** Please do not put the media directly on the work surface. Dust that adheres to the paper can get inside the printer and adversely affect the print quality.**

3. Set the paper into the printer.



* Please confirm that the paper holder shaft is set firmly in the guide on the printer.
  Otherwise, the paper may jam.

Fit the paper to the proper position for each size, and insert it in the direction of the arrow until the buzzer makes a beeping sound.
(Approx. to the dotted line)

The LED indicator should change from blinking Red to blinking Blue & Red
Please make sure that the paper is set straight.

L-size, 2L-size

Post Card, A5 wide size

Please insert the paper referring to the paper width guide shown below.
It's recommended to insert the paper after taking up any slack on the roll for easier setting.

CAUTION

- With a new roll of paper, the paper holder weighs approx. 2.8 kg (6 lbs). If dropped, it could cause injury. It could also damage the paper holder.

4. Set the ribbon in the printer

*Paying attention to the front/back of the ribbon, and supply and uptake, set the ribbon as shown in the picture.
*Turn the supply side of the ribbon in the direction indicated by the arrow to take up slack.

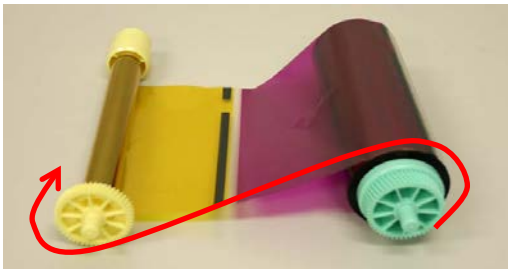
The front side of the printer front is for ribbon supply, and the back side is for ribbon uptake.

Ribbon uptake side (yellow)

Ribbon supply side (green)

Please set the reels as shown by color.

Ribbon winding direction



5. Close the front cover.

* When the front cover is closed, the paper initialization process will be carried out except in the case when the printer is turned on after paper setting (in that case, paper initialization is not carried out).

During the paper initialization process, outside of roll paper with dust or finger prints is removed by outputting 4 sheets of non printed paper.

*There is an IC chip built into the ink ribbon to facilitate media color correction, media type detection, and print count management. We cannot guarantee proper function of the printer if media with other than the certified IC chip is used. (If the correct data cannot be read from the IC chip, a warning beep will sound. In this case, to protect the printer, print with a lower density.)
*Each IC chip holds data for its own ribbon, so please do not connect the uptake roll or supply roll of initially separate ink ribbons.

If different types of media like 2L-Size and Post Card or others are used in the same printer, quality problems in the printed image will arise.
So as a rule, please do not use different types of media in the same printer.

But if for some reason different types of media must be used, first turn the printer off, take out the old media, and turn the printer on again before setting the new media.

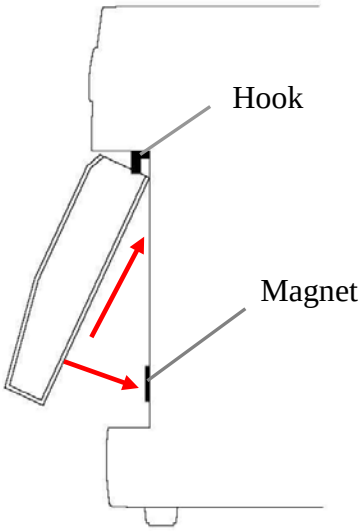
* This way, when the front cover is closed, the paper initialization process will be carried out, unless the printer is turned on after setting of the new media, in which case initialization won't take place.

7. Setting the Trim Tray

Trimmed excess from the prints are collected in the trim tray.

Please be sure to remove the scraps from the box whenever the paper media is changed.

If the box is too full, the paper may get jammed.



* Please set the trim tray by hanging it on the hook as shown above.

CAUTION

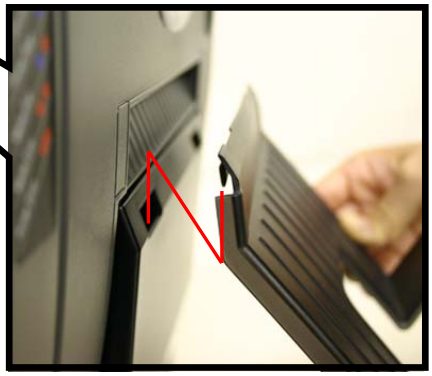
- Please do not operate the printer with the trim tray removed.
- Please be careful not to insert your finger or anything else in the cutter located over the box when the trim tray is taken out, otherwise it's possible to injure your finger.

8. Setting the Paper Tray

This paper tray stacks L-size and PC-size paper.
（It holds up to 50 sheets at a time）

Attach the paper tray to the slots in the trim tray.

Enlargement



CAUTION

When opening the front cover, remover the paper tray.
If the front cover is opened without removing the paper tray, it could be damaged.

Chapter 2 Trouble Shooting

1. Error Indication
2. If Paper is jammed
3. If Ribbon is cut
4. If power was shut off during printing

1. Error Indication

LED display for printer status.

Status	LED Indication	Solutions
Online	———————	Printer ready
Front Cover Open	———————	Please close front cover
(No Paper)	———	Please reset the paper correctly *1
Paper End	——— — —	Please set new paper *2
Ribbon End	——— — — —	Please set new ribbon *2
Head Cooling Down	— — ———	Stops automatically when the head is cooled down

Paper Error	— —	Please reset the paper correctly
Ribbon Error	— — —	Please reset the ribbon correctly
System Error	———————	Please switch off & on again *3

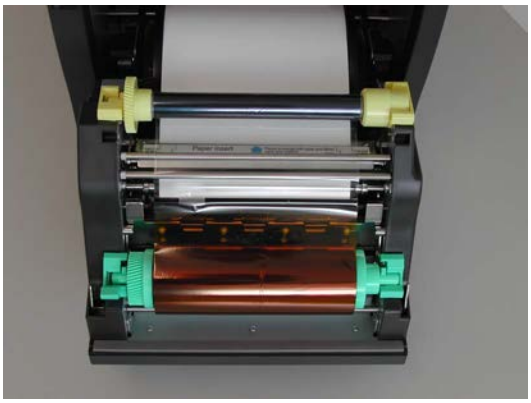
*1 When the paper is properly set into position, the buzzer will beep twice, and the lamp will blink blue and red.

*2 Please change the paper and ribbon at the same time.

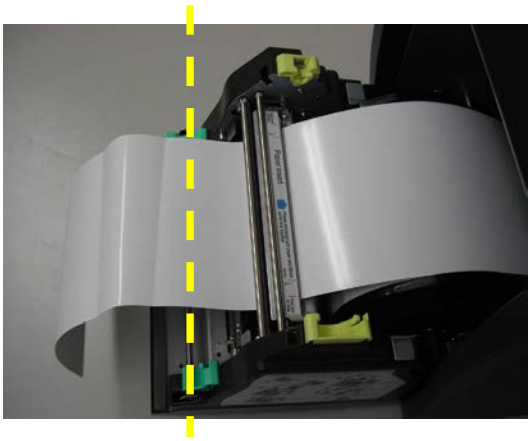
*3 If the printer doesn't recover from the system error, please contact a service representative.

2. If Paper is jammed

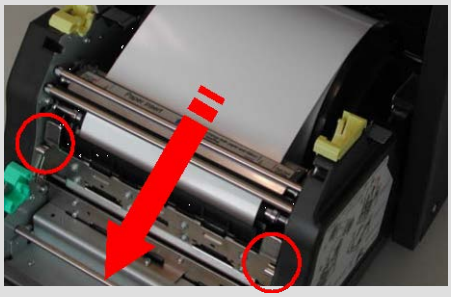
1. Open the front cover by pressing the open button.



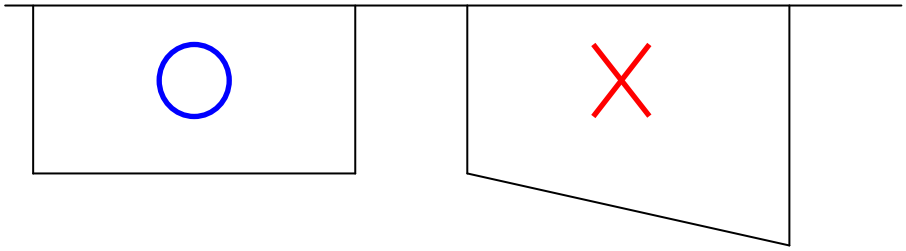
2. With scissors, evenly cut off any partially printed paper, or paper with wrinkles, etc. Then reset the paper. If wrinkles or printed paper are not removed, the paper may jam again.



* When pulling out paper, please pull slowly. Too much force may damage the printer. In case of a serious paper jam, please open the “upper paper guide” after removing the “paper guide stopper pins” on both sides with a slotted screwdriver, then pull the paper out in the direction of the arrow.



Correct paper edge cut



- If the paper is not cut, it may cause abnormal printing and/or the paper to jam.

3. If Ribbon is cut

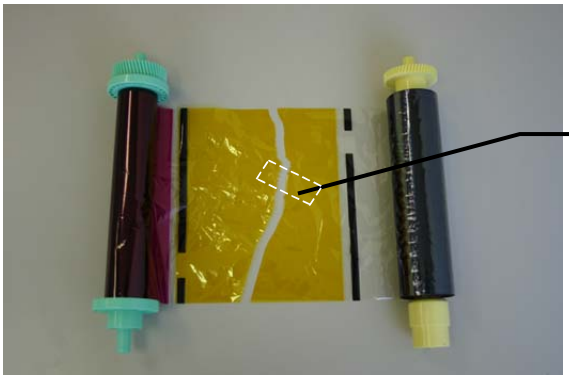
1. Open the front cover by pressing the open button.

2. Remove any incomplete prints.
   If the next image is printed over the previous image, the ribbon may stick, and it may cause the paper to jam.

3. Attach the ribbon ends with cellophane tape.

4. Set the ribbon in the printer.

5. Then turn the reel on the uptake side several times until the cellophane tape disappears.



4. If power was shut down during printing

* If power is shut off during printing, the front cover will be locked shut.

1. Turn the power back on. (You should be able to open the front cover about 5 seconds after turning the power back on.)

2. The incomplete print will be in the printer.
   Pull it out and cut it off evenly.
   Then reset the paper correctly.

Please refer to “Chapter 2: When the paper jams”

CAUTION

- Do not turn OFF the power while printing. This could cause a malfunction.

Chapter 3 Maintenance

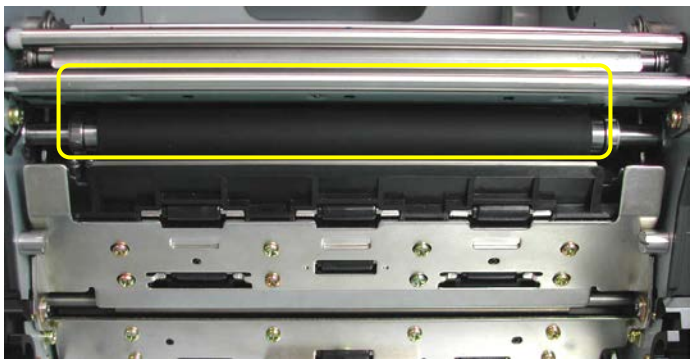
1. Cleaning the Platen Roller
2. Cleaning the Thermal Print Head
3. Cleaning the Filter

1. Cleaning the Platen Roller

Please wipe off any powder, scraps, adhesives, etc, from the ribbon and/or paper which are on the platen roller, using ethyl alcohol and a soft cloth.

Note: Only use ethyl alcohol. Never use benzene, thinner etc, since they may permeate the resin.

*If there is an indent on the pictures at a regular interval, or if the back of the picture (white side) is dirty, clean the platen roller. As a rule, it should be cleaned about once every 4000 sheets (PC-size: 7 rolls, L-size: 6 rolls)



Please clean by turning the platen roller.

2. Cleaning the Thermal Print Head

* Please do not clean the thermal print head frequently as long as print quality has no serious problem.

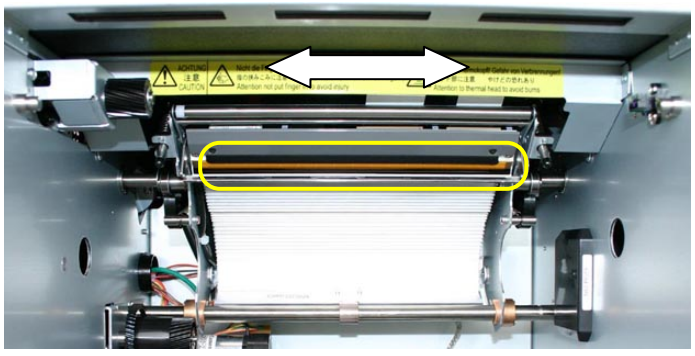
Before cleaning, be sure to turn the power OFF.

As a rule, wipe it five times back and forth with a polishing sheet about once every 4000 sheets (PC-size: 7 rolls, L-size: 6 rolls)

（Suggested polishing sheet：Japan Micro-coating head polishing film GC#10000）

Also, clean it if there are scraps of ink ribbon, etc. on the thermal print head.

Note: Never use alcohol, benzene, thinner, or sand paper on the thermal head.



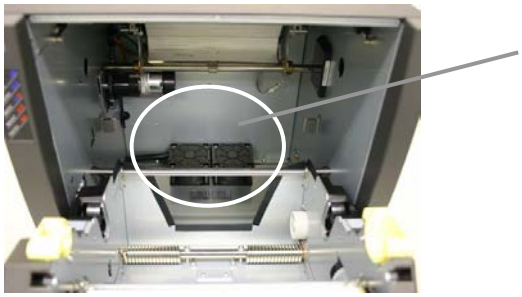
CAUTION

- Before cleaning, always switch off the printer. Otherwise, there is possibility of catching your finger in the thermal print head assembly and being injured.
- The thermal print head will be hot just after printing. Please wait for the print head to cool off before beginning cleaning.

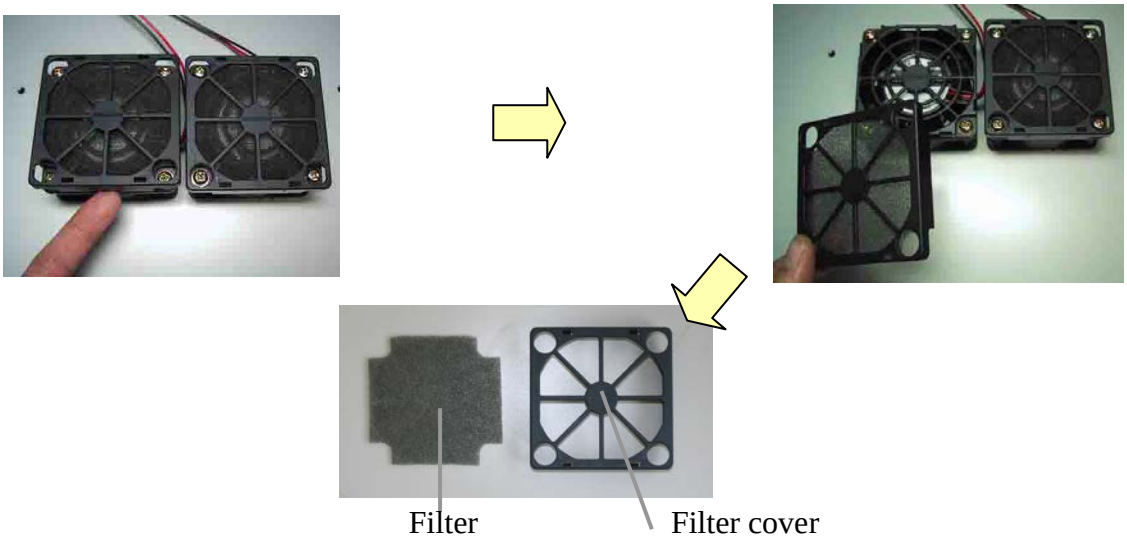
3. Cleaning the Filter

* Please clean the filter and bottom of the printer regularly.

1. Open the front cover by pressing the open button.



2. Remove the filter cover.



3. Clean the filter with a brush or vacuum. Also clean the bottom of the printer around the fan motor. (Dust might accumulate on the paper and adversely affect the print quality)

Note: If the filter is washed using water, make sure the filter is thoroughly dried before replacing it. Remaining water could cause the printer to malfunction.

4. Reset the filter in the opposite order from removing it. Push the filter cover until it clicks into place.
   - It's important to keep the filter clean.
   - If the filter is blocked or clogged, the temperature inside the printer will rise, and the thermal head will overheat.
   - If the thermal head overheats, the printer will stop, and the error LED will blink. In this case, the printer will resume printing automatically after the temperature of the thermal head drops enough for printing.
   - A similar situation may occur when the print head is overheated by continuous high power use such as when printing many dark images.

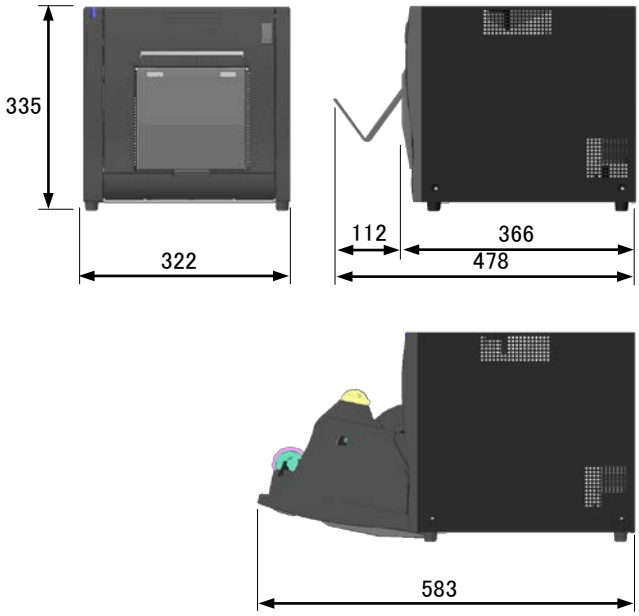
CAUTION

- Before cleaning, always switch off the printer.

Appendix

1. Specifications

Model		CW-01	
Print Method		Dye Sublimation	
Print Modes		Fast Mode	Print Quality Mode
Resolution		334×334 dpi	334×600 dpi
Print Size	L	89×127 mm (3.5×5")	
	PC	101×152 mm (4×6")	
	2L	127×178 mm (5×7")	
	A5	152×203 mm (6×8")	
	A5Wide	152×229 mm (6×9")	
Print Quantity	L	660 Sheets	
	PC	600 Sheets	
	2L	350 Sheets	
	A5	280 Sheets	
	A5Wide	280 Sheets	
Print Time	L	8.0 seconds	9.1 seconds
	PC (2×PC mode)	8.6 seconds (8.0 seconds)	9.9 seconds (9 .3 seconds)
	2L	13.6 seconds	15.9 seconds
	A5	15.3 seconds	17.8 seconds
	A5Wide	17.0 seconds	19.8 seconds
Ribbon Format		YMC + overcoat	
Interface		USB 2.0	
Buffer Size		Size × 2 images	
Driver compatible OS		Windows 2000 / XP	
External Dimensions		322 mm W×366 mm D×335 mm H	
Weight		24 kg (printer only)	
Power		AC 100V-240V 50/60Hz	
Power Consumption		100V 3.85A 240V 1.76A	
Noise		Printing 70.6dB Stand-by 37dB (background noise: less than 15dB)	
Operating Environment		Temp 5～35℃ with natural ventilation	
		Humidity 35～80 no condensation	
Storage Environment		Temp -20℃～60℃	
		Humidity 5～85%	



Options

Name	Number	Specification		
Media Set	CW-MS35	L	660 sheets	89×127 mm (3.5×5")
	CW-MS46	PC	600 sheets	101×152 mm (4×6")
	CW-MS57	2L	350 sheets	127×178 mm (5×7")
	CW-MS69	A5/A5Wide	280 sheets	152×203 mm (6×8") / 152×229 mm (6×9")

＊ The contents of these specifications may be subject to change without prior notice.

Product servicing information

For information on handling the device, or about repair service,
please contact your dealer, or one of the following locations.

Citizen Systems Japan Co., Ltd.
http://www.citizen-systems.co.jp
6-1-12, Tanashi-cho, Nishi-Tokyo-shi
Tokyo, 188-8511. Japan
Tel: +81 (0) 424 68 4608